

Table 37. Light-Duty Vehicle Sales by Technology Type

(Thousands)

Middle Atlantic

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>New Car Sales 1/</b>													
Conventional Vehicles													
Gasoline ICE Vehicles	1232.2	1161.4	1130.4	1099.0	1109.0	1112.8	1094.0	1080.8	1059.1	1034.6	1020.3	1004.8	997.2
TDI Diesel ICE	1.0	0.9	1.1	2.1	2.3	2.2	2.7	2.8	2.7	3.2	3.2	3.2	3.3
Total Conventional	1233.2	1162.3	1131.5	1101.1	1111.3	1115.0	1096.8	1083.6	1061.9	1037.8	1023.5	1008.0	1000.5
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	58.9	54.8	53.4	50.4	51.3	51.6	63.5	62.9	61.4	71.5	70.6	69.7	69.2
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electric Vehicle	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Electric-Diesel Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.1	7.3	7.5
Electric-Gasoline Hybrid	2.0	3.0	6.0	34.2	36.1	37.9	39.5	40.8	51.1	50.2	59.4	58.6	59.8
CNG ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CNG Bi-fuel	1.8	1.7	1.6	1.6	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.5
LPG ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LPG Bi-fuel	7.0	6.4	6.2	6.0	6.0	5.9	5.7	5.5	5.3	5.2	5.1	5.1	5.0
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Total Alternatives	70.2	66.3	67.6	92.6	95.7	97.5	110.8	111.3	119.8	132.7	141.1	142.5	143.7
Percent Alternative Car Sales	5.39	5.40	5.64	7.76	7.93	8.04	9.18	9.31	10.14	11.34	12.12	12.39	12.56
Total New Car Sales	1303.4	1228.6	1199.0	1193.7	1207.0	1212.5	1207.6	1194.9	1181.7	1170.6	1164.7	1150.5	1144.2
<b>New Light Truck Sales 2/</b>													
Conventional Vehicles													
Gasoline ICE Vehicles	1060.2	1072.7	1024.3	1036.2	1032.8	1053.8	1025.1	1027.3	1030.0	1028.6	1039.3	1047.9	1061.5
TDI Diesel ICE	44.5	44.0	49.2	78.6	81.9	79.8	78.4	80.1	80.8	93.5	94.4	93.9	97.2
Total Conventional	1104.8	1116.7	1073.4	1114.8	1114.7	1133.5	1103.5	1107.5	1110.8	1122.1	1133.8	1141.7	1158.7
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	51.8	52.6	51.2	54.0	58.0	59.2	100.3	100.6	100.8	100.8	102.2	103.4	105.1
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electric Vehicle	0.5	0.5	0.5	0.5	0.6	0.7	0.8	0.8	0.9	0.9	0.9	1.2	1.1
Electric-Diesel Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electric-Gasoline Hybrid	0.0	0.0	0.0	25.0	47.0	49.4	48.9	50.4	51.8	53.2	55.2	56.9	59.2
CNG ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CNG Bi-fuel	4.6	4.7	4.5	4.8	4.9	5.0	5.0	5.1	5.1	5.1	5.2	5.2	5.3
LPG ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LPG Bi-fuel	15.4	15.6	15.0	15.9	16.3	16.6	16.7	16.8	16.9	17.0	17.2	17.4	17.7
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6	0.3
Total Alternatives	72.4	73.5	71.2	100.3	126.8	131.0	171.8	173.6	175.8	177.3	181.0	184.8	188.6
Percent Alternative Light Truck Sales	6.15	6.17	6.22	8.25	10.21	10.36	13.47	13.55	13.66	13.65	13.76	13.93	14.00
Total New Truck Sales	1177.1	1190.1	1144.6	1215.1	1241.5	1264.5	1275.3	1281.1	1286.6	1299.4	1314.7	1326.5	1347.3

Table 37. Light-Duty Vehicle Sales by Technology Type  
(Thousands)  
Middle Atlantic

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Percent Total Alternative Sales	5.75	5.78	5.92	8.01	9.09	9.23	11.38	11.51	11.97	12.55	12.99	13.22	13.34
EPACT Legislative Alternative Sales	40.05	39.51	37.93	39.41	39.95	40.34	40.35	40.18	40.01	40.04	40.38	40.57	41.04
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	23.35	35.16	35.42	35.50	49.78	50.05	48.71	66.99	60.38
Total Vehicles Sales	2480.5	2418.8	2343.7	2408.8	2448.4	2477.1	2482.9	2476.0	2468.3	2469.9	2479.4	2477.1	2491.6

Table 37. Light-Duty Vehicle Sales by Technology Type

(Thousands)

Middle Atlantic	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-2025
<b>New Car Sales 1/</b>													
Conventional Vehicles													
Gasoline ICE Vehicles	984.6	973.4	972.5	976.3	978.7	977.5	974.4	960.6	954.1	951.0	949.7	948.8	-0.9%
TDI Diesel ICE	3.3	3.3	3.4	3.5	3.6	3.8	3.9	3.9	4.0	4.2	4.3	4.6	7.5%
Total Conventional	987.9	976.7	975.9	979.8	982.4	981.3	978.3	964.5	958.1	955.1	954.1	953.3	-0.9%
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.3%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Ethanol-Flex Fuel ICE	68.3	67.3	67.2	67.3	67.4	67.1	66.7	65.4	64.8	64.5	64.4	64.2	0.7%
Ethanol ICE	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.1%
Electric Vehicle	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	-1.0%
Electric-Diesel Hybrid	9.3	9.5	9.6	9.6	9.6	9.6	9.6	9.5	9.4	9.3	9.3	9.3	N/A
Electric-Gasoline Hybrid	60.0	60.9	61.0	61.5	61.8	61.8	61.6	60.5	60.1	59.8	59.7	59.5	13.9%
CNG ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.9%
CNG Bi-fuel	1.5	1.4	1.4	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	-0.7%
LPG ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
LPG Bi-fuel	5.0	4.9	4.9	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.8	4.8	-1.2%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.2	0.4	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.3	N/A
Total Alternatives	144.6	145.0	145.1	145.8	146.7	146.3	145.7	143.3	142.0	141.4	141.3	141.1	3.3%
Percent Alternative Car Sales	12.77	12.93	12.94	12.95	12.99	12.98	12.96	12.93	12.91	12.90	12.90	12.89	3.9%
Total New Car Sales	1132.5	1121.7	1121.0	1125.6	1129.0	1127.6	1124.0	1107.8	1100.2	1096.5	1095.4	1094.4	-0.5%
<b>New Light Truck Sales 2/</b>													
Conventional Vehicles													
Gasoline ICE Vehicles	1067.2	1070.6	1085.5	1104.9	1124.1	1138.7	1150.9	1151.1	1160.7	1176.8	1195.0	1216.9	0.5%
TDI Diesel ICE	97.3	98.6	100.8	103.5	106.0	108.6	111.0	111.6	112.4	113.4	116.1	119.3	4.4%
Total Conventional	1164.6	1169.3	1186.3	1208.4	1230.1	1247.3	1261.9	1262.6	1273.1	1290.2	1311.1	1336.2	0.8%
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Ethanol-Flex Fuel ICE	105.9	106.4	108.4	111.1	114.0	116.2	118.0	118.1	119.7	122.1	124.9	127.9	3.9%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Electric Vehicle	1.0	1.5	1.6	1.6	2.7	2.7	2.6	2.6	2.6	2.6	2.8	2.8	7.7%
Electric-Diesel Hybrid	0.0	3.2	3.3	4.8	5.0	5.1	8.8	8.8	8.9	9.0	9.2	9.4	N/A
Electric-Gasoline Hybrid	60.9	60.7	61.7	62.2	63.5	64.4	63.3	63.3	63.8	64.7	65.7	66.8	N/A
CNG ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0%
CNG Bi-fuel	5.3	5.4	5.5	5.6	5.7	5.8	5.8	5.8	5.9	6.0	6.1	6.2	1.2%
LPG ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4%
LPG Bi-fuel	17.8	17.9	18.2	18.5	18.9	19.2	19.4	19.4	19.6	19.9	20.2	20.6	1.2%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.2	0.5	0.5	0.6	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	N/A
Total Alternatives	191.2	195.7	199.2	204.4	210.9	214.3	219.0	219.2	221.5	225.1	229.8	234.6	5.2%
Percent Alternative Light Truck Sales	14.10	14.34	14.37	14.47	14.64	14.66	14.79	14.79	14.82	14.86	14.91	14.93	3.9%
Total New Truck Sales	1355.8	1364.9	1385.5	1412.8	1441.0	1461.7	1480.9	1481.8	1494.6	1515.3	1540.9	1570.7	1.2%

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(Thousands)  
Middle Atlantic

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002- 2025
Percent Total Alternative Sales	13.50	13.70	13.73	13.80	13.91	13.93	14.00	14.00	14.01	14.03	14.08	14.09	4.0%
EPACT Legislative Alternative Sales	41.17	41.32	41.82	42.53	43.25	43.75	44.20	44.11	44.37	44.86	45.48	46.21	0.7%
ZEVP Legislative Alternative Sales	55.10	83.05	87.91	90.47	128.94	126.68	126.14	127.04	126.90	125.30	133.16	133.12	N/A
Total Vehicles Sales	2488.2	2486.7	2506.5	2538.4	2570.1	2589.3	2604.9	2589.7	2594.7	2611.8	2636.3	2665.1	0.4%

Table 37. Light-Duty Vehicle Sales by Technology Type  
(Thousands)  
Middle Atlantic

1/ Includes personal and fleet light-duty cars.

2/ Includes personal and fleet light-duty trucks.

ICE = Internal combustion engine.

EPACT = Energy Policy Act of 1992.

ZEVP = Zero emission vehicles from the low emission vehicle program.

N/A = Not applicable.

Sources: 2002 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, [http://www.eia.doe.gov/cneaf/alt\\_trans98/table1.html](http://www.eia.doe.gov/cneaf/alt_trans98/table1.html); and EIA, AEO2004 National Energy Modeling System run aeo2004.d101703e. Projections: EIA, AEO2004 National Energy Modeling System run aeo2004.d101703e.